

ABSTRACT

To provide a heat-sealing apparatus capable of achieving an excellent heat-sealing even when heat-sealing under severe conditions with a fluid, such as when filling/packing a vegetable juice abundant in water-insoluble vegetable fiber. The high-frequency heat-sealing apparatus is comprised of an openable-and-closable sealing jaw 23 and opposing jaw 25 which transversely heat-seals a tubular packing material with a fluid, wherein a ridge 31 shaped to contain a partial curve is so formed on the action face of a high-frequency coil 22 flush with the action face of the sealing jaw that it can press the central portion of a sealed zone having two rounded and narrowed right and left sides, a groove 34 which forms a molten thermoplastic resin puddle is formed on the action face adjacent to the outer side on the container's interior side of a sealed zone, and in addition, a flash portion 33 for a molten resin is formed adjacent to the outer side on the cutting side of a high-frequency coil. It is preferable to make the action face between the ridge and groove an inclined face 36.

Selected Drawing: Fig. 3